

Concept Sheet

~ 7 rows when we're done...

We'll fill in two terms (rows) today.

Concept	Meaning	Sym- bol	Units	Picture
PITCH → FREQUENCY	HOW MANY PER UNIT OF TIME $\text{FREQ} = \frac{\#}{\text{TIME}}$	f $f = \frac{1}{T}$	hertz $\text{Hz} = \frac{1}{\text{sec}}$	\therefore
PERIOD	HOW MUCH TIME FOR ONE. $\text{PERIOD} = \frac{\text{TIME}}{\#}$	T $T = \frac{1}{f}$	Seconds sec.	
TRANSVERSE: WHEN THE MEDIUM VIBRATES ACROSS THE DIRECTION THE WAVE TRAVELS.				
LONGITUDINAL: WHEN THE MEDIUM VIBRATES ALONG THE DIRECTION THE WAVE TRAVELS.				
AMPLITUDE →	HOW FAR FROM THE MIDDLE.	A m	meters m	
WAVELENGTH	HOW FAR FOR ONE "BACK & FORTH"	λ m	meters m	
WAVE SPEED	$\frac{\text{DISTANCE OF A WAVE}}{\text{TIME OF A WAVE}}$ $V = \frac{\lambda}{T}$	V $V = \lambda f$	$\frac{\text{meters}}{\text{second}}$ m/s	

Feb 18-6:50 AM

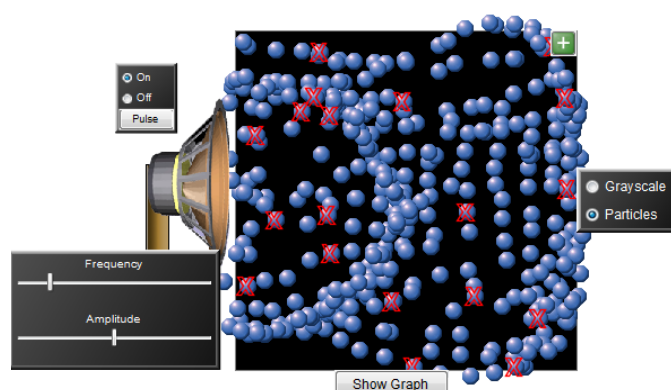
Welcome!!!

H. Leslie Grebe

- * Pick up:
- ** NOTHING **

Opening Activity:

Review sound simulation



Centering

Sep 7-7:04 AM

Reviewing the Sound Simulation...

- * Sound is a **wave** that travels through a **medium**.
- * Vibrations transfer energy **without** taking the medium with them.
- * Waves have a **speed** they travel that depends on the medium.

May 11-7:32 AM

Going Outside!

- * "Speed of Sound" (like Johnny) and other stations
- * Switch to next station when you get the signal...
- * Groups of 3-5 people with
 - "Director" = in charge of group following directions
 - "Recorder" = writing down group's answers
 - 1 or more "Grunts" = do tasks, help answer

May 17-7:54 AM

WHAT DID WE FIND OUT?

May 19-8:44 AM

Daily 3 Questions

CP: Sound worksheet due Friday 5/16

- * Every day except test/project days
- * 3 Questions on the topics of the day
- * Main source of daily points
- * I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

Your can't get your points if you don't have your NAME!!!

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. To find the speed of sound we measured distance and time.

2. About how many football fields will sound go in a second? 3-4

3. Sound goes faster in
a) metal
b) air
c) they are the same

Apr 25-7:25 AM